

2/21/2018

SHIP MAR-22

[Dart/Hawkesbury] Job Sheet - David, Logan



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D412-711-021
Job Sheet 172709



Part No: D412-711-021

Job Qty: 1 ea

Part Name: Vertical Reference Door Modification LH



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/21/18

Job Tracking No:

Due Date: 3/22/18

Created By: Logan David

Type: SOLD

Description:

Note: DWG REV L IPP Rev:A 11.04.07 new issue DD ver:EC IPP Rev:B 14.04.25 ECN14-548 DD ver:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		3/22/18	0.00	0.00	Start Up Stores/Pkg-2	0.00	MAR 23 2018
120	Packaging	1 pcs		3/22/18	0.00	0.00	Packaging1-4	0.00	MAR 23 2018
130	QC	1 pcs		3/22/18	0.00	0.00	QC4	0.00	MAR 23 2018
140	DC	1 pcs		3/22/18	0.00	0.00	DC	0.00	MAR 23 2018
150	Packaging	1 pcs		3/22/18	0.00	0.00	Packaging3-2	0.00	MAR 23 2018
160	QC21-FG	1 Ea		3/22/18	0.00	0.00	QC21	0.00	MAR 27 2018

Part Op 140 - Photocopy bluefiles and create labels per PPP D412-711-021 CHG002

Descriptions: 150 - Identify and pack for shipping as per PPP D412-711-021 Location: F90.35 PPP rev: 21

sold



Container No: S052894



Part: D412-711-021

Job No: 172709

Serial No/Batch: S052894

Revision:

Inspector:

Dart Aerospace Ltd.
1270 Aberdeen Street
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CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 03/20/18

1580

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Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3-12A	Bolt	1 Ea (1 ea)	90-Start up Operation	
AN3-3A	Bolt	22 Ea (22 ea)	90-Start up Operation	
AN3-4A	Bolt	20 Ea (20 ea)	90-Start up Operation	
AN3-6A	Bolt	26 Ea (26 ea)	90-Start up Operation	
CR3242-4-2	Rivet	34 Ea (34 ea)	90-Start up Operation	
D3802-1-120	Window Seal - 120"	1 Ea (1 ea)	90-Start up Operation	
D412-711-101	Replacement Vertical Reference Window	1 Ea (1 ea)	90-Start up Operation	
D412-761-043	Modified Latch Mechanism, LH	1 Ea (1 ea)	90-Start up Operation	
D4165-1	Doubler	1 Ea (1 ea)	90-Start up Operation	
D4165-11	Door Cover Panel	1 Ea (1 ea)	90-Start up Operation	
D4165-3	Inner Door Panel	1 Ea (1 ea)	90-Start up Operation	
D4165-5	Aft Rib	1 Ea (1 ea)	90-Start up Operation	
D4165-7	Fwd Rib	1 Ea (1 ea)	90-Start up Operation	
D4165-9	Angle	1 Ea (1 ea)	90-Start up Operation	
D4207-1	Window Retainer	1 Ea (1 ea)	90-Start up Operation	
D4207-3	Instrument Window	1 Ea (1 ea)	90-Start up Operation	
D4269-1	Angle	1 Ea (1 ea)	90-Start up Operation	
D4269-3	Angle	1 Ea (1 ea)	90-Start up Operation	
D4269-5	Angle	1 Ea (1 ea)	90-Start up Operation	
D4269-7	Angle	1 Ea (1 ea)	90-Start up Operation	
D4324-011	Armrest Assembly	1 Ea (1 ea)	90-Start up Operation	
D4327-1	Angle	1 Ea (1 ea)	90-Start up Operation	
D4327-3	Angle	1 Ea (1 ea)	90-Start up Operation	
D4385-1	Placard	2 Ea (2 ea)	90-Start up Operation	
MS20426AD3-3	Rivet	135 Ea (135 ea)	90-Start up Operation	
MS20426AD4-3	Rivet	140 Ea (140 ea)	90-Start up Operation	
MS20470AD3-3	Rivet, Universal Head	25 Ea (25 ea)	90-Start up Operation	
MS20470AD4-3	Rivet, Universal Head	90 Ea (90 ea)	90-Start up Operation	
MS21042L3	Nut	24 Ea (24 ea)	90-Start up Operation	
MS21059L3	Nut Plate	4 Ea (4 ea)	90-Start up Operation	
MS21069L08	Anchor Nut	8 Ea (8 ea)	90-Start up Operation	
MS21069L3	Anchor Nut	34 Ea (34 ea)	90-Start up Operation	
MS21071L08	Anchor Nut	1 Ea (1 ea)	90-Start up Operation	
MS21071L3	Anchor Nut	3 pcs (3 ea)	90-Start up Operation	
NAS1149F0332P	Washer	92 Ea (92 ea)	90-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN3-12A	1	48	0
	AN3-3A	22	265	0
	AN3-4A	20	318	0
	AN3-6A	26	187	0
	CR3242-4-2	34	160	0
	D3802-1-120	1	1	0
	D412-711-101	1	0	0
	D412-761-043	1	2	0
	D4165-1	1	1	0
	D4165-11	1	2	0
	D4165-3	1	2	0
	D4165-5	1	1	0
	D4165-7	1	1	0
	D4165-9	1	1	0
	D4207-1	1	2	0
	D4207-3	1	1	0
	D4269-1	1	2	0
	D4269-3	1	0	0
	D4269-5	1	1	0
	D4269-7	1	0	0
	D4324-011	1	0	0
	D4327-1	1	1	0
	D4327-3	1	2	0
	D4385-1	2	2	0
	MS20426AD3-3	135	6,137	0
	MS20426AD4-3	140	3,142	0
	MS20470AD3-3	25	5,770	0
	MS20470AD4-3	90	628	0
	MS21042L3	24	3,495	0
	MS21059L3	4	199	0
	MS21069L08	8	378	0
	MS21069L3	34	125	0
	MS21071L08	1	144	0
	MS21071L3	3	28	0
	NAS1149F0332P	92	3,555	0

Part Specifications

Specifications could not be found.

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
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Canada

Tel (613) 632-5200

Container View (Active) - Master Unit Containers

Master Unit No	Container No	Part No	Part Name	From Container	Current Location	Quantity
001580	S050651	AN3-12A	Bolt	f153854	ST349	1
001580	S050650	AN3-3A	Bolt	s015688	ST350	22
001580	S050648	AN3-4A	Bolt	s019388	ST350	20
001580	S050642	AN3-6A	Bolt	s000530	ST350	26
001580	S050619	CR3242-4-2	Rivet	s019370	ST318	34
001580	S050447	D4165-1	Doubler	S046795	ST236	1
001580	S050591	D4165-11	Door Cover Panel	S048057	ST235	1
001580	S050592	D4207-1	Window Retainer	S048266	ST237	1
001580	S050449	D4207-3	Instrument Window	S046756	ST237	1
001580	F160140	D4385-1	Placard		ST088	2
001580	S050425	MS20426AD3-3	Rivet	s018535	GA007	135
001580	S050344	MS20426AD4-3	Rivet	fm137597-7	ST312	140
001580	S050326	MS20470AD3-3	Rivet, Universal Head	f16941	ST310	25
001580	S050321	MS20470AD4-3	Rivet, Universal Head	fm135536-1	ST310	90
001580	S050314	MS21042L3	Nut	s038764	ST303	24
001580	S050311	MS21059L3	Nut Plate	s025740	ST301	4
001580	S050308	MS21069L08	Anchor Nut	f123522-40	ST299	8
001580	S016903	MS21069L3	Anchor Nut		ST299	7
001580	S050293	MS21071L08	Anchor Nut	f102587-40	ST321	1
001580	S050251	MS21071L3	Anchor Nut	fm137680.0	ST299	3
001580	S050244	NAS1149F0332P	Washer	s020603	ST262	92

Note: Ad hoc query view of Part.dbo.Container where Container.Active = 1.

D4337-3 S048237

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001580	S050651	AN3-12A	Bolt	f153854	ST349	1
001580	S050650	AN3-3A	Bolt	s015688	ST350	22
001580	S050648	AN3-4A	Bolt	s019388	ST350	20
001580	S050642	AN3-6A	Bolt	s000530	ST350	26
001580	S050619	CR3242-4-2	Rivet	s019370	ST318	34
001580	S050447	D4165-1	Doubler	S046795	ST236	1
001580	S050591	D4165-11	Door Cover Panel	S048057	ST235	1
001580	S052387	D4165-5	Aft Rib	S052196	ST236	1
001580	S052386	D4165-7	Fwd Rib	S052174	ST236	1
001580	S052388	D4165-9	Angle	S052163	ST237	1
001580	S050592	D4207-1	Window Retainer	S048266	ST237	1
001580	S050449	D4207-3	Instrument Window	S046756	ST237	1
001580	S051595	D4269-1	Angle	S051273	ST084	1
001580	S051596	D4269-3	Angle	S051168	ST084	1
001580	S051597	D4269-5	Angle	S045341	ST237	1
001580	S051598	D4269-7	Angle	S051364	ST237	1
001580	S051689	D4324-011	Armrest Assembly	S052518	ST460	1
001580	S051599	D4327-1	Angle	S046792	ST237	1
001580	F160140	D4385-1	Placard		ST088	2
001580	S050425	MS20426AD3-3	Rivet	s018535	GA007	135
001580	S050344	MS20426AD4-3	Rivet	fm137597-7	ST312	140
001580	S050326	MS20470AD3-3	Rivet, Universal Head	f16941	ST310	25
001580	S050321	MS20470AD4-3	Rivet, Universal Head	fm135536-1	ST310	90
001580	S050314	MS21042L3	Nut	s038764	ST303	24
001580	S050311	MS21059L3	Nut Plate	s025740	ST301	4
001580	S050308	MS21069L08	Anchor Nut	f123522-40	ST299	8
001580	S016903	MS21069L3	Anchor Nut		ST299	7
001580	S050293	MS21071L08	Anchor Nut	f102587-40	ST321	1
001580	S050251	MS21071L3	Anchor Nut	fm137680.0	ST299	3
001580	S050244	NAS1149F0332P	Washer	s020603	ST262	92

Note: Ad hoc query view of Part.dbo.Container where Container.Active = 1.

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Master Unit No	Container No	Part No	Part Name	From Container	Current Location	Quantity
001580	S050651	AN3-12A	Bolt	f153854	ST349	1
001580	S050650	AN3-3A	Bolt	s015688	ST350	22
001580	S050648	AN3-4A	Bolt	s019388	ST350	20
001580	S050642	AN3-6A	Bolt	s000530	ST350	26
001580	S050619	CR3242-4-2	Rivet	s019370	ST318	34
001580	S050447	D4165-1	Doubler	S046795	ST236	1
001580	S050591	D4165-11	Door Cover Panel	S048057	ST235	1
001580	S052387	D4165-5	Aft Rib	S052196	ST236	1
001580	S052386	D4165-7	Fwd Rib	S052174	ST236	1
001580	S052388	D4165-9	Angle	S052163	ST237	1
001580	S050592	D4207-1	Window Retainer	S048266	ST237	1
001580	S050449	D4207-3	Instrument Window	S046756	ST237	1
001580	S051595	D4269-1	Angle	S051273	ST084	1
001580	S051596	D4269-3	Angle	S051168	ST084	1
001580	S051597	D4269-5	Angle	S045341	ST237	1
001580	S051598	D4269-7	Angle	S051364	ST237	1
001580	S051599	D4327-1	Angle	S046792	ST237	1
001580	F160140	D4385-1	Placard		ST088	2
001580	S050425	MS20426AD3-3	Rivet	s018535	GA007	135
001580	S050344	MS20426AD4-3	Rivet	fm137597-7	ST312	140
001580	S050326	MS20470AD3-3	Rivet, Universal Head	f16941	ST310	25
001580	S050321	MS20470AD4-3	Rivet, Universal Head	fm135536-1	ST310	90
001580	S050314	MS21042L3	Nut	s038764	ST303	24
001580	S050311	MS21059L3	Nut Plate	s025740	ST301	4
001580	S050308	MS21069L08	Anchor Nut	f123522-40	ST299	8
001580	S016903	MS21069L3	Anchor Nut		ST299	7
001580	S050293	MS21071L08	Anchor Nut	f102587-40	ST321	1
001580	S050251	MS21071L3	Anchor Nut	fm137680.0	ST299	3
001580	S050244	NAS1149F0332P	Washer	s020603	ST262	92

Note: Ad hoc query view of Part.dbo.Container where Container.Active = 1.

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Container View (Active) - Master Unit Containers

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001580	S050651	AN3-12A	Bolt	f153854	ST349	1
001580	S050650	AN3-3A	Bolt	s015688	ST350	22
001580	S050648	AN3-4A	Bolt	s019388	ST350	20
001580	S050642	AN3-6A	Bolt	s000530	ST350	26
001580	S050619	CR3242-4-2	Rivet	s019370	ST318	34
001580	S050447	D4165-1	Doubler	S046795	ST236	1
001580	S050591	D4165-11	Door Cover Panel	S048057	ST235	1
001580	S050592	D4207-1	Window Retainer	S048266	ST237	1
001580	S050449	D4207-3	Instrument Window	S046756	ST237	1
001580	S051595	D4269-1	Angle	S051273	ST084	1
001580	S051596	D4269-3	Angle	S051168	ST084	1
001580	S051597	D4269-5	Angle	S045341	ST237	1
001580	S051598	D4269-7	Angle	S051364	ST237	1
001580	S051599	D4327-1	Angle	S046792	ST237	1
001580	F160140	D4385-1	Placard		ST088	2
001580	S050425	MS20426AD3-3	Rivet	s018535	GA007	135
001580	S050344	MS20426AD4-3	Rivet	fm137597-7	ST312	140
001580	S050326	MS20470AD3-3	Rivet, Universal Head	f16941	ST310	25
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001580	S050293	MS21071L08	Anchor Nut	f102587-40	ST321	1
001580	S050251	MS21071L3	Anchor Nut	fm137680.0	ST299	3
001580	S050244	NAS1149F0332P	Washer	s020603	ST262	92

Note: Ad hoc query view of Part.dbo.Container where Container.Active = 1.

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001580	S050648	AN3-4A	Bolt	s019388	ST350	20
001580	S050642	AN3-6A	Bolt	s000530	ST350	26
001580	S050619	CR3242-4-2	Rivet	s019370	ST318	34
001580	S050447	D4165-1	Doubler	S046795	ST236	1
001580	S050591	D4165-11	Door Cover Panel	S048057	ST235	1
001580	S052387	D4165-5	Aft Rib	S052196	ST236	1
001580	S052386	D4165-7	Fwd Rib	S052174	ST236	1
001580	S052388	D4165-9	Angle	S052163	ST237	1
001580	S050592	D4207-1	Window Retainer	S048266	ST237	1
001580	S050449	D4207-3	Instrument Window	S046756	ST237	1
001580	S051595	D4269-1	Angle	S051273	ST084	1
001580	S051596	D4269-3	Angle	S051168	ST084	1
001580	S051597	D4269-5	Angle	S045341	ST237	1
001580	S051598	D4269-7	Angle	S051364	ST237	1
001580	S051689	D4324-011	Armrest Assembly	S052518	ST460	1
001580	S051599	D4327-1	Angle	S046792	ST237	1
001580	F160140	D4385-1	Placard		ST088	2
001580	S050425	MS20426AD3-3	Rivet	s018535	GA007	135
001580	S050344	MS20426AD4-3	Rivet	fm137597-7	ST312	140
001580	S050326	MS20470AD3-3	Rivet, Universal Head	f16941	ST310	25
001580	S050321	MS20470AD4-3	Rivet, Universal Head	fm135536-1	ST310	90
001580	S050314	MS21042L3	Nut	s038764	ST303	24
001580	S050311	MS21059L3	Nut Plate	s025740	ST301	4
001580	S050308	MS21069L08	Anchor Nut	f123522-40	ST299	8
001580	S016903	MS21069L3	Anchor Nut		ST299	7
001580	S050293	MS21071L08	Anchor Nut	f102587-40	ST321	1
001580	S050251	MS21071L3	Anchor Nut	fm137680.0	ST299	3
001580	S050244	NAS1149F0332P	Washer	s020603	ST262	92

Note: Ad hoc query view of Part.dbo.Container where Container.Active = 1.

Plex 3/20/18 7:14 AM dart.quirion.sonia

unavailable

D4327-3 5048237 1X
D3802-1-120 5045259 1X
D412-761-043 1X 5054415
D412-711-101 1X 5052321
D4165-3 1X 5053885

REFERENCE ONLY

QTY -011	QTY -013	QTY -015	QTY -017	QTY -019	QTY -021	QTY -041	QTY -043	PART NUMBER	DESCRIPTION
X								D412-711-011	VERTICAL REFERENCE DOOR INSTALLATION, 212/412
	X							D205-711-013	VERTICAL REFERENCE DOOR INSTALLATION, 205/210
		X						D204-711-015	VERTICAL REFERENCE DOOR INSTALLATION, 204
			X					D214-711-017	VERTICAL REFERENCE DOOR INSTALLATION, 214
				X				D212-711-019	VERTICAL REFERENCE DOOR EAGLE SINGLE
					X			D412-711-021	VERTICAL REFERENCE DOOR KIT
^1	^1	^1	^1	^1		X		D412-711-041	VERTICAL REFERENCE DOOR ASSEMBLY
							X	D412-711-043	SNAP VENT KIT
					1	1		D412-761-043	MODIFIED LATCH MECHANISM KIT, LH (REPLACES EA20469-23/-24/-25)
					1	1		D412-711-101	REPLACEMENT WINDOW (REPLACES EAGLE P/N EB212-100L / EA20469-3)
					1	1		D3802-1-120	RUBBER STRIP
							2	D3932-1	SNAP VENT
					1	1		D4165-1	DOUBLER
					1	1		D4165-3	DOOR INNER SKIN (REPLACES EA20469-18)
					1	1		* D4165-5	AFT RIB (REPLACES EA20469-34)
					1	1		** D4165-7	FWD RIB (REPLACES EA20469-31)
					1	1		D4165-9	ANGLE (REPLACES EA20469-17)
					1	1		D4165-11	DOOR COVER PANEL (REPLACES EA20469-21)
					1	1		D4207-1	WINDOW RETAINER (REPLACES EA20469 -14)
					1	1		D4207-3	WINDOW (REPLACES EA20469-13)
					1	1		* D4269-1	ANGLE (REPLACES EA20469-33)
					1	1		** D4269-3	ANGLE (REPLACES EA20469-30)
					1	1		** D4269-5	ANGLE (REPLACES EA20469-29)
					1	1		* D4269-7	ANGLE (REPLACES EA20469-32)
					1	1		D4324-011	ARM REST ASSEMBLY (REPLACES EA20469-16)
					1	1		D4327-1	ANGLE (REPLACES EA20469-11)
					1	1		D4327-3	ANGLE (REPLACES EA20469-07)
					2	2		D4385-1	PLACARD

* PART OF EA20469-10 REAR RIB ASSEMBLY
 ** PART OF EA20469-12 FWD RIB ASSEMBLY

APPROVED

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	MB		
CHECKED	ML	DRAWING NO.	REV. L
MFG. APPR.	N/A	D412-711	SHEET 2 OF 6
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	VERTICAL REFERENCE DOOR NTS	
DATE	17.01.20	COPYRIGHT © 2004 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

QTY -011	QTY -013	QTY -015	QTY -017	QTY -019	QTY -021	QTY -041	PART NUMBER	DESCRIPTION
					22	22	AN3-3A	BOLT
					20	20	AN3-4A	BOLT
					26	26	AN3-6A	BOLT
					1	1	AN3-12A	BOLT
					92	92	NAS1149F0332P	WASHER (OR AN960-10L)
					34	34	CR3242-4-2	RIVET
					135	135	MS20426AD3-3	RIVET
					140	140	MS20426AD4-3	RIVET
					25	25	MS20470AD3-3	RIVET
					90	90	MS20470AD4-3	RIVET
					24	24	MS21042L3	NUT
					4	4	MS21059L3	NUT PLATE
					34	34	MS21069L3	NUT PLATE
					8	8	MS21069L08	NUT PLATE
					3	3	MS21071L3	NUT PLATE
					1	1	MS21071L08	NUT PLATE
						1	204-030-853-125	LH COPILOT DOOR (204-030-853-137/-155)
1							D412-711-111	WIRING HARNESS, 212/412
B ₁							B ^D 4268-043	INSTRUMENT PANEL, 212/412 (REPLACES EA20469-15-412)
	1						D205-711-113	WIRING HARNESS, 205
	B ₁						B ^D 4268-041	INSTRUMENT PANEL, 205 (REPLACES EA20469-15-205)
		1					D204-711-115	WIRING HARNESS, 204
		B ₁					B ^E A20469-15-204	INSTRUMENT PANEL, 204
			1				D214-711-117	WIRING HARNESS, 214
			B ₁				B ^E A20469-15-214	INSTRUMENT PANEL, 214
				1			D212-711-119	WIRING HARNESS, EAGLE SINGLE
				B ₁			B ^D 4268-047	INSTRUMENT PANEL, EAGLE SINGLE

- (A) IF CUSTOMER PREFERS TO SUPPLY AND MODIFY THEIR OWN DOOR, D412-711-021 SHOULD BE SUPPLIED IN LIEU OF D412-711-041
(B) INSTRUMENT PANEL INCLUDED WITH HARNESS ABOVE

NOTES

1) WIRING HARNESSES:

For Bell 204/205/210 Wiring Harnesses, use drawing D2046904.

For Bell 212 Wiring Harnesses, use drawing D2046903*.

For Bell 214 Wiring Harnesses, use drawing D214-761-511.

For Bell 412 Wiring Harnesses, use drawing D412-711-901.

For Bell 212 modified per SH07-28/SR02831NY use D212-761-224 or D212-761-225 depending on aircraft s/n.

* Despite the note on the drawing, D2046903 is applicable to all 212 aircraft serial numbers

Wiring Harnesses will vary depending on aircraft s/n.

2) D412-711-101 REPLACEMENT WINDOW:

To increase downward viewing clarity, it is acceptable to cut a small section from the replacement window on its downward side per Figure 1 of this document. The cutout can be a maximum of 9.00" wide x 17.00" long (229mm x 432mm), measured along the profile of the replacement window. The corners of the cutout must have a minimum radius of 2" (50mm). The cutout should be located at least 1.0" (25mm) from the flange. The actual shape of the cutout can vary as desired, as long as the overall dimensions are within the specified limits. See Figure 1 for reference.

3) D412-711-043 SNAP VENT KIT:

It is acceptable to install a total of up to 2X D3932-1 Snap Vents (available from Dart) onto the D412-711-101 Replacement Window to provide ventilation into the cabin. Refer to Figure 1 for acceptable locations and size of cutouts.

4) It is acceptable to use MS21042L3 nuts to install the window in lieu of anchor nuts shown on D2046901.

APPROVED

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	MB	HAWKESBURY, ONTARIO, CANADA	
CHECKED	ML	DRAWING NO.	REV. L
MFG. APPR.	N/A	D412-711	SHEET 3 OF 6
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	VERTICAL REFERENCE DOOR NTS	
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